

[illegible][illegible]

```
EEEEEEEEEE RRRRRRRR FFFFFFFFFF PPPPPPPP RRRRRRRR 000000 CCCCCCCC 333333
EEEEEEEEEE RRRRRRRR FFFFFFFFFF PPPPPPPP RRRRRRRR 000000 CCCCCCCC 333333
EE          RR      RR FF          PP      PP RR      RR 00      00 CC      33      33
EE          RR      RR FF          PP      PP RR      RR 00      00 CC      33      33
EE          RR      RR FF          PP      PP RR      RR 00      00 CC      33      33
EEEEEEEEEE RRRRRRRR FFFFFFFFFF PPPPPPPP RRRRRRRR 00      00 CC      33      33
EEEEEEEEEE RRRRRRRR FFFFFFFFFF PPPPPPPP RRRRRRRR 00      00 CC      33      33
EE          RR      RR FF          PP      PP RR      RR 00      00 CC      33      33
EE          RR      RR FF          PP      PP RR      RR 00      00 CC      33      33
EE          RR      RR FF          PP      PP RR      RR 00      00 CC      33      33
EEEEEEEEEE RRR      RR FF          PP      PP RR      RR 00      00 CC      33      33
EEEEEEEEEE RRR      RR FF          PP      PP RR      RR 00      00 CC      33      33
EEEEEEEEEE RRR      RR FF          PP      PP RR      RR 000000 CCCCCCCC 333333
EEEEEEEEEE RRR      RR FF          PP      PP RR      RR 000000 CCCCCCCC 333333
                                     ....
                                     ....
                                     ....
                                     ....
```

```
MM      MM      AAAAAA PPPPPPPP
MM      MM      AAAAAA PPPPPPPP
MMMM    MMMM    AA      AA PP      PP
MMMM    MMMM    AA      AA PP      PP
MM      MM      AA      AA PP      PP
MM      MM      AA      AA PPPPPPPP
MM      MM      AA      AA PPPPPPPP
MM      MM      AAAAAAAAAA PP
MM      MM      AAAAAAAAAA PP
MM      MM      AA      AA PP
MM      MM      AA      AA PP
MM      MM      AA      AA PP
MM      MM      AA      AA PP
```

+-----+
! Object Module Synopsis !
+-----+

Module Name	Ident	Bytes	File	Creation Date	Creator
ERFSHR	V04-000	0	_\$255\$DUA28:[ERF.OBJ]ERFSHR.EXE;1	16-SEP-1984 04:31	VAX-11 Linker V04-00
FORRTL	V04-000	0	_\$255\$DUA28:[SYSLIB]FORRTL.EXE;1	16-SEP-1984 04:07	VAX-11 Linker V04-00
LIBRTL	V04-000	0	_\$255\$DUA28:[SYSLIB]LIBRTL.EXE;1	16-SEP-1984 04:00	VAX-11 Linker V04-00
MTHRTL	V04-000	0	_\$255\$DUA28:[SYSLIB]MTHRTL.EXE;1	16-SEP-1984 04:04	VAX-11 Linker V04-00
ERFCOMMON	V04-000	0	_\$255\$DUA28:[ERF.OBJ]ERFCOMMON.EXE;1	16-SEP-1984 04:31	VAX-11 Linker V04-00
ERFPROC3VECT	V04-000	32	_\$255\$DUA28:[ERF.OBJ]ERF.OLB;1	15-SEP-1984 23:57	VAX/VMS Macro V04-00
ERFPROC3INI	01	75	_\$255\$DUA28:[ERF.OBJ]ERF.OLB;1	16-Sep-1984 00:04	VAX-11 FORTRAN V3.4-56
MNT_DISMNT_DISP	01	846	_\$255\$DUA28:[ERF.OBJ]ERF.OLB;1	16-Sep-1984 00:10	VAX-11 FORTRAN V3.4-56
MA780	01	6738	_\$255\$DUA28:[ERF.OBJ]ERF.OLB;1	16-Sep-1984 00:07	VAX-11 FORTRAN V3.4-56
MEMORY	01	4335	_\$255\$DUA28:[ERF.OBJ]ERF.OLB;1	16-Sep-1984 00:07	VAX-11 FORTRAN V3.4-56
MS780C	01	2227	_\$255\$DUA28:[ERF.OBJ]ERF.OLB;1	16-Sep-1984 00:07	VAX-11 FORTRAN V3.4-56
MS780E	01	2330	_\$255\$DUA28:[ERF.OBJ]ERF.OLB;1	16-Sep-1984 00:07	VAX-11 FORTRAN V3.4-56
MS750	01	2363	_\$255\$DUA28:[ERF.OBJ]ERF.OLB;1	16-Sep-1984 00:07	VAX-11 FORTRAN V3.4-56
MS730	01	1822	_\$255\$DUA28:[ERF.OBJ]ERF.OLB;1	16-Sep-1984 00:07	VAX-11 FORTRAN V3.4-56
DECODE_ECC	01	931	_\$255\$DUA28:[ERF.OBJ]ERF.OLB;1	16-Sep-1984 00:19	VAX-11 FORTRAN V3.4-56
SBI	01	2135	_\$255\$DUA28:[ERF.OBJ]ERF.OLB;1	16-Sep-1984 00:28	VAX-11 FORTRAN V3.4-56
MEMORY_REGISTER_UV1	01	929	_\$255\$DUA28:[ERF.OBJ]ERF.OLB;1	16-Sep-1984 00:07	VAX-11 FORTRAN V3.4-56

+-----+
! Module Relocatable Reference Synopsis !
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Module Name	Number	Module Name	Number	Module Name	Number
MNT_DISMNT_DISP	27	MA780	187	MEMORY	124
MS780C	64	MS780E	74	MS750	67
MS730	57	DECODE_ECC	7	SBI	28
MEMORY_REGISTER_UV1	39				

! Image Section Synopsis !

Cluster	Type	Pages	Base Addr	Disk VBN	PFC	Protection and Paging	Global Sec. Name	Match	Majorid	Minorid
ERFSHR	1	2	00000000-R	0	0	READ ONLY	ERFSHR_001	LESS/EQUAL	1	0
	2	2	00000400-R	0	0	READ ONLY	ERFSHR_002	LESS/EQUAL	1	0
	4	17	00000800-R	0	0	READ WRITE COPY ON REF	ERFSHR_003	LESS/EQUAL	1	0
	4	40	00002A00-R	0	0	READ WRITE COPY ON REF	ERFSHR_004	LESS/EQUAL	1	0
	4	53	00007A00-R	0	0	READ ONLY	ERFSHR_005	LESS/EQUAL	1	0
	4	4	P-0000E400-R	0	0	READ ONLY	ERFSHR_006	LESS/EQUAL	1	0
	2	10	0000EC00-R	0	0	READ WRITE FIXUP VECTORS	ERFSHR_007	LESS/EQUAL	1	0
FORRTL	3	63	00000000-R	0	0	READ ONLY	FORRTL_001	LESS/EQUAL	1	100
	4	2	00007E00-R	0	0	READ WRITE COPY ON REF	FORRTL_002	LESS/EQUAL	1	100
	2	1	00008200-R	0	0	READ WRITE FIXUP VECTORS	FORRTL_003	LESS/EQUAL	1	100
LIBRTL	3	111	00000000-R	0	0	READ ONLY	LIBRTL_001	LESS/EQUAL	1	11
	4	1	0000DE00-R	0	0	READ WRITE DEMAND ZERO	LIBRTL_002	LESS/EQUAL	1	11
MTHRTL	3	115	00000000-R	0	0	READ ONLY	MTHRTL_001	LESS/EQUAL	129	32778
	2	1	0000E600-R	0	0	READ WRITE FIXUP VECTORS	MTHRTL_002	LESS/EQUAL	129	32778
ERFCOMMON	4	13	00000000-R	0	0	READ WRITE COPY ON REF	ERFCOMMON_001	LESS/EQUAL	1	0
DEFAULT_CLUSTER	2	1	00000000-R	2	0	READ ONLY				
	4	6	00000200-R	3	0	READ ONLY				
	4	16	00000E00-R	9	0	READ WRITE COPY ON REF				
	4	23	00002E00-R	25	0	READ ONLY				
	2	7	00005C00-R	48	0	READ WRITE FIXUP VECTORS				

Key for special characters above:

! R - Relocatable !
! P - Protected !

! Program Section Synopsis !

Psect Name	Module Name	Base	End	Length	Align	Attributes
-----	-----	----	---	-----	-----	-----
\$ERFPROC3VECT	ERFPROC3VECT	00000000	0000001F	00000020 (	32.)	BYTE 0
		00000000	0000001F	00000020 (	32.)	BYTE 0
\$PDATA	ERFPRC3INI	00000200	00000DF9	00000BFA (	3066.)	LONG 2
	MNT_DISMNT_DISP	00000200	00000200	00000000 (	0.)	LONG 2
	MA780	00000208	0000059E	00000397 (	8.)	LONG 2
	MEMORY	000005A0	00000679	000000DA (	919.)	LONG 2
	MS780C	0000067C	00000816	0000019B (	218.)	LONG 2
	MS780E	00000818	0000096F	00000158 (	411.)	LONG 2
	MS750	00000970	00000B0B	0000019C (	344.)	LONG 2
	MS730	00000B0C	00000C50	00000145 (	412.)	LONG 2
	DECODE_ECC	00000C54	00000C63	00000010 (	325.)	LONG 2
	SBI	00000C64	00000D89	00000126 (	16.)	LONG 2
	MEMORY_REGISTER_UV1	00000D8C	00000DF9	0000006E (	294.)	LONG 2
		00000D8C	00000DF9	0000006E (	110.)	LONG 2
\$LOCAL	ERFPRC3INI	00000E00	00002DCF	00001FD0 (	8144.)	LONG 2
	MNT_DISMNT_DISP	00000E00	00000E37	00000038 (	56.)	LONG 2
	MA780	00000E38	00000ECB	00000094 (	148.)	LONG 2
	MEMORY	00000ECC	00001B3F	00000C74 (	3188.)	LONG 2
	MS780C	00001B40	00001EDF	000003A0 (	928.)	LONG 2
	MS780E	00001EE0	000021AB	000002CC (	716.)	LONG 2
	MS750	000021AC	00002523	00000378 (	888.)	LONG 2
	MS730	00002524	000027CB	000002A8 (	680.)	LONG 2
	DECODE_ECC	000027CC	00002A07	0000023C (	572.)	LONG 2
	SBI	00002A08	00002AD7	000000D0 (	208.)	LONG 2
	MEMORY_REGISTER_UV1	00002AD8	00002C1B	00000144 (	324.)	LONG 2
		00002C1C	00002DCF	000001B4 (	436.)	LONG 2
\$CODE	ERFPRC3INI	00002E00	00005A66	00002C67 (	11367.)	LONG 2
	MNT_DISMNT_DISP	00002E00	00002E12	00000013 (	19.)	LONG 2
	MA780	00002E14	00002E99	00000086 (	134.)	LONG 2
	MEMORY	00002E9C	000038E2	00000A47 (	2631.)	LONG 2
	MS780C	000038E4	0000432C	00000A49 (	2633.)	LONG 2
	MS780E	00004330	0000477B	0000044C (	1100.)	LONG 2
	MS750	0000477C	00004BC5	0000044A (	1098.)	LONG 2
	MS730	000048C8	000050BE	000004F7 (	1271.)	LONG 2
	DECODE_ECC	000050C0	0000545C	0000039D (	925.)	LONG 2
	SBI	00005460	00005522	000000C3 (	195.)	LONG 2
	MEMORY_REGISTER_UV1	00005524	000058E4	000003C1 (	961.)	LONG 2
		000058E8	00005A66	0000017F (	383.)	LONG 2

+-----+
! Symbol Cross Reference !
+-----+

Symbol	Value	Defined By	Referenced By ...
B SBI	00005853-R	SBI	SBI
CCASSIFY	00005C48-RX	ERFSHR	MA780
COMPRESS4	00005C94-RX	ERFSHR	MEMORY_REGISTER_UV1
			MS750
			MS780E
COMPRESSC	00005C90-RX	ERFSHR	MA780
			MS780E
DECODE_ECC	00005460-R	DECODE_ECC	MA780
			MS780E
			MA780
			MS730
			MS780C
DISMOUNT	00005CA0-RX	ERFSHR	MNT_DISMNT_DISP
DISMOUNT VOLUME	00005C98-RX	ERFSHR	MNT_DISMNT_DISP
ERFPROC3INI	00002E00-RU	ERFPROC3INI	ERFPROC3VECT
FOR\$IO_END	00005CC4-RX	FORRTL	MA780
			MEMORY_REGISTER_UV1
			MS750
			MS780E
FOR\$IO_L_R	00005CC0-RX	FORRTL	MA780
			MEMORY_REGISTER_UV1
			MS750
			MS780E
FOR\$IO_L_V	00005CBC-RX	FORRTL	MA780
			MS730
			MS780C
			SBI
			MEMORY
FOR\$IO_T_DS	00005CB8-RX	FORRTL	MS730
			MS780C
			MS780E
FOR\$WRITE_SF	00005CB4-RX	FORRTL	MA780
			MEMORY_REGISTER_UV1
			MS750
			MS780E
FRCTOF	00005C68-RX	ERFSHR	SBI
HEADER	00005C7C-RX	ERFSHR	MEMORY
LABEL	00005CA8-RX	ERFSHR	MNT_DISMNT_DISP
LIB\$EXTZV	00005CD8-RX	LIBRTL	DECODE_ECC
			MEMORY
			MS730
			MS780C
			SBI
LIB\$INSV	00005CD0-RX	LIBRTL	MEMORY_REGISTER_UV1
LIB\$LOCC	00005CD4-RX	LIBRTL	MA780
LINCHK	00005C88-RX	ERFSHR	MA780
			MEMORY_REGISTER_UV1
			MS750
			MS780E
LOGGER	00005C78-RX	ERFSHR	MEMORY
MA780	00002E9C-R	MA780	MEMORY
MA780_REGA	00005C84-RX	ERFSHR	MA780

Symbol	Value	Defined By	Referenced By ...
MEMORY	000038E4-RU	MEMORY	ERFPROC3VECT
MEMORY_Q	00005C74-RX	ERFSHR	MEMORY
MEMORY_REGISTER_UV1	000058E8-R	MEMORY_REGISTER_UV1	MEMORY
MNT_DISMNT_DISP	00002E14-RU	MNT_DISMNT_DISP	ERFPROC3VECT
MOUNT	00005CA4-RX	ERFSHR	MNT_DISMNT_DISP
MOUNT_VOLUME	00005C9C-RX	ERFSHR	MNT_DISMNT_DISP
MOV3	00005C8C-RX	ERFSHR	MA780
			MS730
			MS750
			MS780C
MS730	000050C0-R	MS730	MS780E
MS750	00004BC8-R	MS750	MEMORY
MS780C	00004330-R	MS780C	MEMORY
MS780C_REGA	00005C70-RX	ERFSHR	MS780C
MS780E	0000477C-R	MS780E	MEMORY
MS780E_REGA	00005C6C-RX	ERFSHR	MS780E
OUTPUT	00005C80-RX	ERFSHR	MA780
			MS730
			MS780C
PROC3INIT	00000000-R	ERFPROC3VECT	
SBI	00005524-RU	SBI	ERFPROC3VECT
SBI_COMPARATOR	00005C5C-RX	ERFSHR	SBI
SBI_ERROR	00005C54-RX	ERFSHR	SBI
SBI_FAULTREG	00005C60-RX	ERFSHR	SBI
SBI_MAINTENANCE	00005C58-RX	ERFSHR	SBI
SBI_SILO	00005C4C-RX	ERFSHR	SBI
SBI_TIMEOUT	00005C50-RX	ERFSHR	SBI
VAXPSL	00005C64-RX	ERFSHR	SBI

+-----+
! Symbols By Value !
+-----+

Value	Symbols...
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00000000	R-PROC3INIT
00002E00	R-ERFPRC3INI
00002E14	R-MNT_DISMNT_DISP
00002E9C	R-MA780
000038E4	R-MEMORY
00004330	R-MS780C
0000477C	R-MS780E
00004BC8	R-MS750
000050C0	R-MS730
00005460	R-DECODE_ECC
00005524	R-SBI
00005853	R-B_SBI
000058E8	R-MEMORY_REGISTER_UV1
00005C48	RX-CLASSIFY
00005C4C	RX-SBI_SILO
00005C50	RX-SBI_TIMEOUT
00005C54	RX-SBI_ERROR
00005C58	RX-SBI_MAINTENANCE
00005C5C	RX-SBI_COMPARATOR
00005C60	RX-SBI_FAULTREG
00005C64	RX-VAXPSL
00005C68	RX-FRCTOF
00005C6C	RX-MS780E_REGA
00005C70	RX-MS780C_REGA
00005C74	RX-MEMORY_Q
00005C78	RX-LOGGER
00005C7C	RX-HEADER
00005C80	RX-OUTPUT
00005C84	RX-MA780_REGA
00005C88	RX-LINCHR
00005C8C	RX-MOVC3
00005C90	RX-COMPRESSC
00005C94	RX-COMPRESS4
00005C98	RX-DISMOUNT_VOLUME
00005C9C	RX-MOUNT_VOLUME
00005CA0	RX-DISMOUNT
00005CA4	RX-MOUNT
00005CA8	RX-LABEL
00005CB4	RX-FOR\$WRITE_SF
00005CB8	RX-FOR\$IO_T_DS
00005CBC	RX-FOR\$IO_L_V
00005CC0	RX-FOR\$IO_L_R
00005CC4	RX-FOR\$IO_END
00005CD0	RX-LIB\$INSV
00005CD4	RX-LIB\$LOCC
00005CD8	RX-LIB\$EXTZV

Value

Symbols...

Key for special characters above:

*	- Undefined
U	- Universal
R	- Relocatable
X	- External

EXE

Mod

ERF

FOR

LIB

MTN

ERF

ERF

ERF

SYS

SYS

MES

NEW

NEW

Mod

SYS

NEW

+-----+
! Image Synopsis !
+-----+

Virtual memory allocated: 00000000 000069FF 00006A00 (27136. bytes, 53. pages)
Stack size: 0. pages
Image header virtual block limits: 1. (1. block)
Image binary virtual block limits: 2. (31. blocks)
Image name and identification: ERFPROC3 V04-000
Number of files: 6.
Number of modules: 17.
Number of program sections: 19.
Number of global symbols: 919.
Number of cross references: 160.
Number of image sections: 20.
User transfer address: 00000000
Number of address fixups: 680.
Number of code references to shareable images: 33.
Image type: PIC, SHAREABLE. Global Section Match=LESS/EQUAL, Ident, Major=1, Minor=0
Map format: FULL WITH CROSS REFERENCE in file _S255SDUA28:[ERF.LIS]ERFPROC3.MAP;1
Estimated map length: 171. blocks

+-----+
! Link Run Statistics !
+-----+

Performance Indicators

	Page Faults	CPU Time	Elapsed Time
Command processing:	141	00:00:01.03	00:00:01.82
Pass 1:	182	00:00:01.64	00:00:07.11
Allocation/Relocation:	35	00:00:00.17	00:00:00.68
Pass 2:	104	00:00:02.19	00:00:07.07
Map data after object module synopsis:	18	00:00:00.64	00:00:00.81
Symbol table output:	4	00:00:00.09	00:00:00.84
Total run values:	484	00:00:05.76	00:00:18.33

Using a working set limited to 1050 pages and 527 pages of data storage (excluding image)

Total number object records read (both passes): 379
of which 149 were in libraries and 41 were DEBUG data records containing 2717 bytes

Number of modules extracted explicitly = 12
with 0 extracted to resolve undefined symbols

0 library searches were for symbols not in the library searched

A total of 5 global symbol table records was written

LINK/USERLIB=PROC/NOTRACE/MAP=MAP\$:ERFPROC3/FULL/CROSS/SHARE=EXE\$:ERFPROC3 LIB\$:ERF/INCLUDE=(ERFPROC3VECT,ERFPROC3INI,MNT_DISMNT_DISP,
MA780,MEMORY,MS780C,MS780E,MS750,MS730,DECODE_ECC,SBI,MEMORY_REGISTER_UV1),COM\$:PSECTATTR/OPT
EXE\$:erfshr.exe/share
EXE\$:erfcommon.exe/share
gsmatch=lequal,1,0
psect_attr=\$blank,noshr
psect_attr=\$pdata,noshr
psect_attr=\$code,noshr

_\$255\$DUA28:[ERF.OBJ]ERFPROC3.EXE;1

N 1
16-SEP-1984 04:35

VAX-11 Linker V04-00

Page 9

psect_attr=devchar,noshr
psect_attr=dr32,noshr
psect_attr=emb,noshr
psect_attr=erfcom,noshr
psect_attr=mode,noshr
psect_attr=mrdr,noshr
psect_attr=opcode,noshr
psect_attr=qiocommon,noshr
psect_attr=sa,noshr
psect_attr=syecom,noshr
psect_attr=trans_addr,noshr
psect_attr=tables,noshr
psect_attr=_lib\$code,noshr
psect_attr=_img\$code,noshr

_\$2

Pse

SSE

SPD

SLO

SCO

0146

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